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Water Supply Outlook For Utah



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

UTAH STATE DEPARTMENT of NATURAL RESOURCES
-- DIVISION of WATER RIGHTS

AS OF
JUNE 1, 1979

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: VIEW OF A SNOTEL DATA SITE IN THE SNOWY RANGE IN WYOMING. TALL CYLINDRICAL DEVICE IS A PRECIPITATION GAGE. SNOW PILLOWS ON THE GROUND NOT VISIBLE DUE TO SNOW COVER. SHELTER HOUSE, ANTENNA TOWER, ANTENNA, AND TEMPERATURE UNIT ARE VISIBLE BEHIND THE PRECIPITATION GAGE.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

R. M. DAVIS

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D. C.



Released by

GEORGE D. McMILLAN

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

UTAH STATE DEPT. OF NATURAL RESOURCES

DEE C. HANSEN

State Engineer

Division of Water Rights

DANIEL F. LAWRENCE

Director

Division of Water Resources



Report prepared by

BOB L. WHALEY, Snow Survey Supervisor

KENNETH C. JONES, Assistant Snow Survey Supervisor

and

LINDA K. LYTTON, Statistical Assistant

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
4012 FEDERAL BUILDING
SALT LAKE CITY, UTAH 84138

WATER SUPPLY OUTLOOK

as of
June 1, 1979

* * * * *
* Utah's 1979 water supply outlook continues to be near *
* average in northern Utah, while southern Utah will *
* have above average supplies. Warm temperatures and *
* below normal precipitation have resulted in rapid *
* snow melt with resultant early runoff. Streamflow *
* forecasts for the remaining runoff period will be *
* slightly below May 1 predictions. *
* * * * *

SNOW COVER

Limited ground measurements were taken this month, as there was little snow to be found at all but the highest locations. The warm temperatures and winds during May resulted in rapid snow melt, with many northern Utah sites baring out early in the month.

PRECIPITATION

Precipitation activity during May was limited to thunderstorm activity in northern Utah, and resulted in below average catches. Southern Utah did receive more widespread rainfall, however, totals for the month were only near average. Seasonal totals continue the below to near average trend in northern Utah, while southern Utah amounts are above average.

SOIL MOISTURE

Watershed soils were drier than earlier anticipated, and soaked up early snow melt water. Profiles have improved, but northern Utah is still below normal, while southern Utah soils are above average.

RESERVOIR STORAGE

Major facilities are full or will fill shortly. Minersville Reservoir is reported to be near its emergency spillway elevation, with inflow continued high.

STREAMFLOW

The U.S. Geological Survey reports that flows in May were near normal in the northern part of the state, in the above normal range in east-central Utah, and excessive in the south. Seasonal increases were recorded on most index streams in the north, while southern streams had sharp increases, with the Beaver River two times median.

The level of the Great Salt Lake reached its highest elevation for the water year on May 15, 1979, at 4199.90 feet. By month's end it was down to 4199.80 feet.

Irrigation with Surface Spring Runoff - Be Cautious
Fred Christenson
Irrigation Water Management Specialist

June 4, 1979

What will the irrigator do with the extra early summer runoff? All too often, this plentiful water supply is used for an early presoaking of the grass and legume crops. The water is either used on corrugations or contour ditch (wild flooding) as long as it is available. The irrigator is then confident he has filled the soil profile to full capacity, and water will be available later in the summer when the runoff has ceased.

However, this seemingly good management practice has its drawbacks, and the crop will most likely suffer. First of all, the cold water will retard plant growth. Secondly, the saturated soil has a greatly reduced air content in the normal root zone and is highly detrimental to root growth. Consequently, the roots will draw water from near the surface rather than the normal three to five foot depth. Later in the summer the plant with an underdeveloped root zone will not produce it's anticipated growth. Frequent irrigations can be expected.

Another factor to consider is the possible soil erosion. As the water is continuously run over the soil, the intake rate diminishes, and the soil particles will be loosened and carried away.

For the above reasons, the extra runoff should be used in good judgment, and better yet, used for other beneficial means.

For further information or assistance, contact your local Soil Conservation Service office.

SOIL CONSERVATION SERVICE

SNOTEL SYSTEM

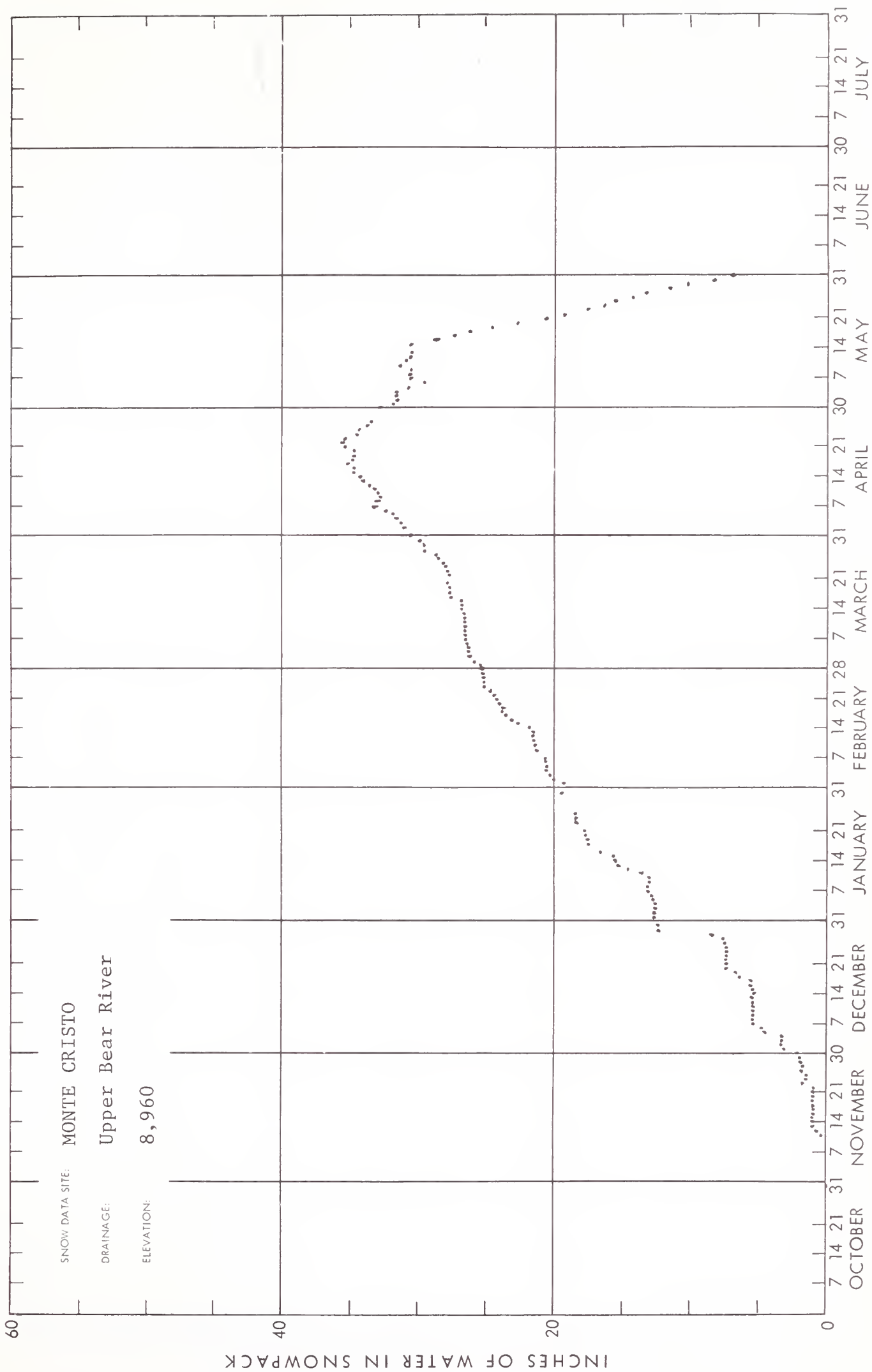
This winter, Utah's 40 operational SNOTEL data collection stations have been reporting twice daily information on snowpack conditions.

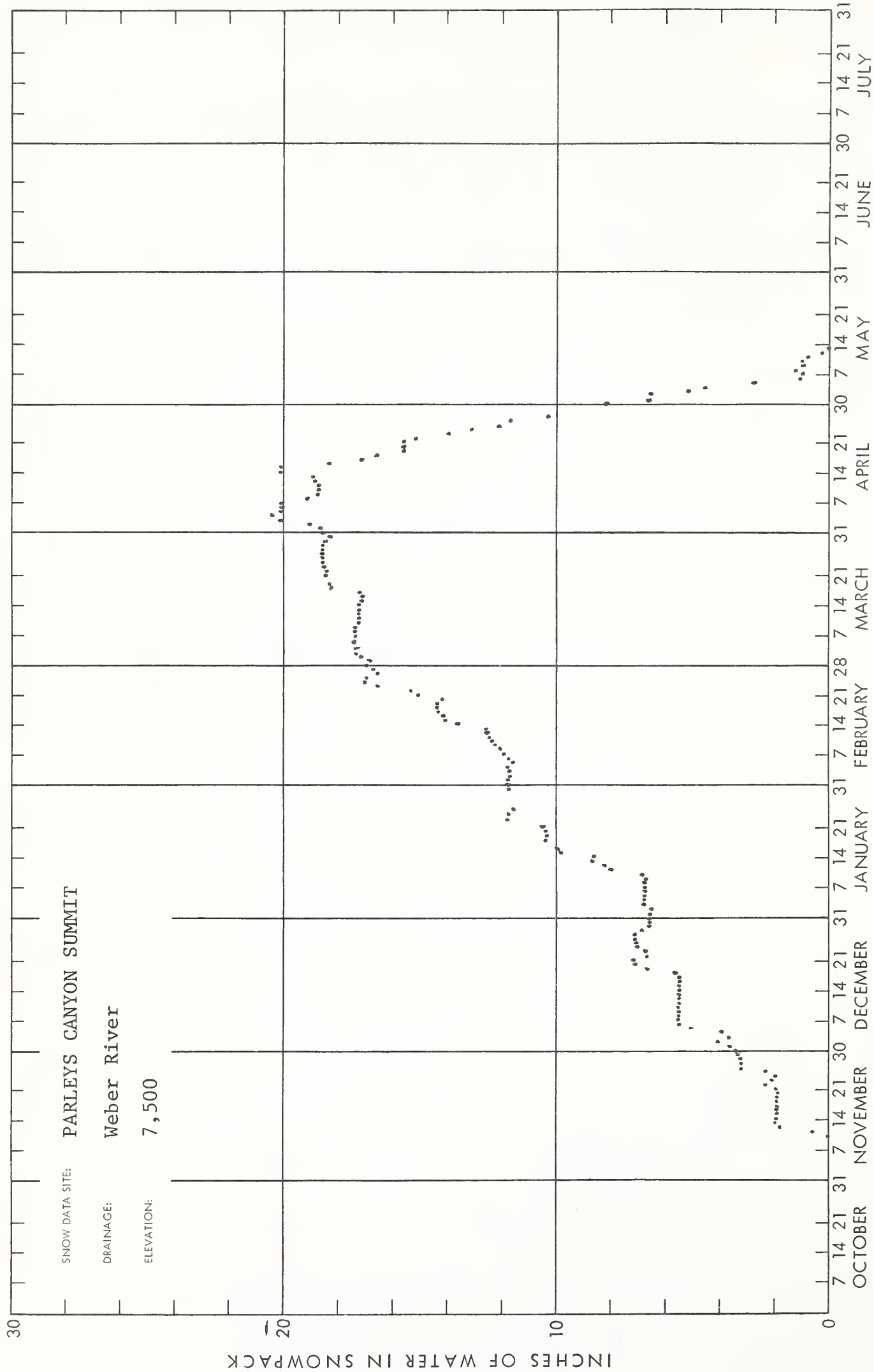
This automated system will ultimately include 63 sites in Utah and over 500 west-wide.

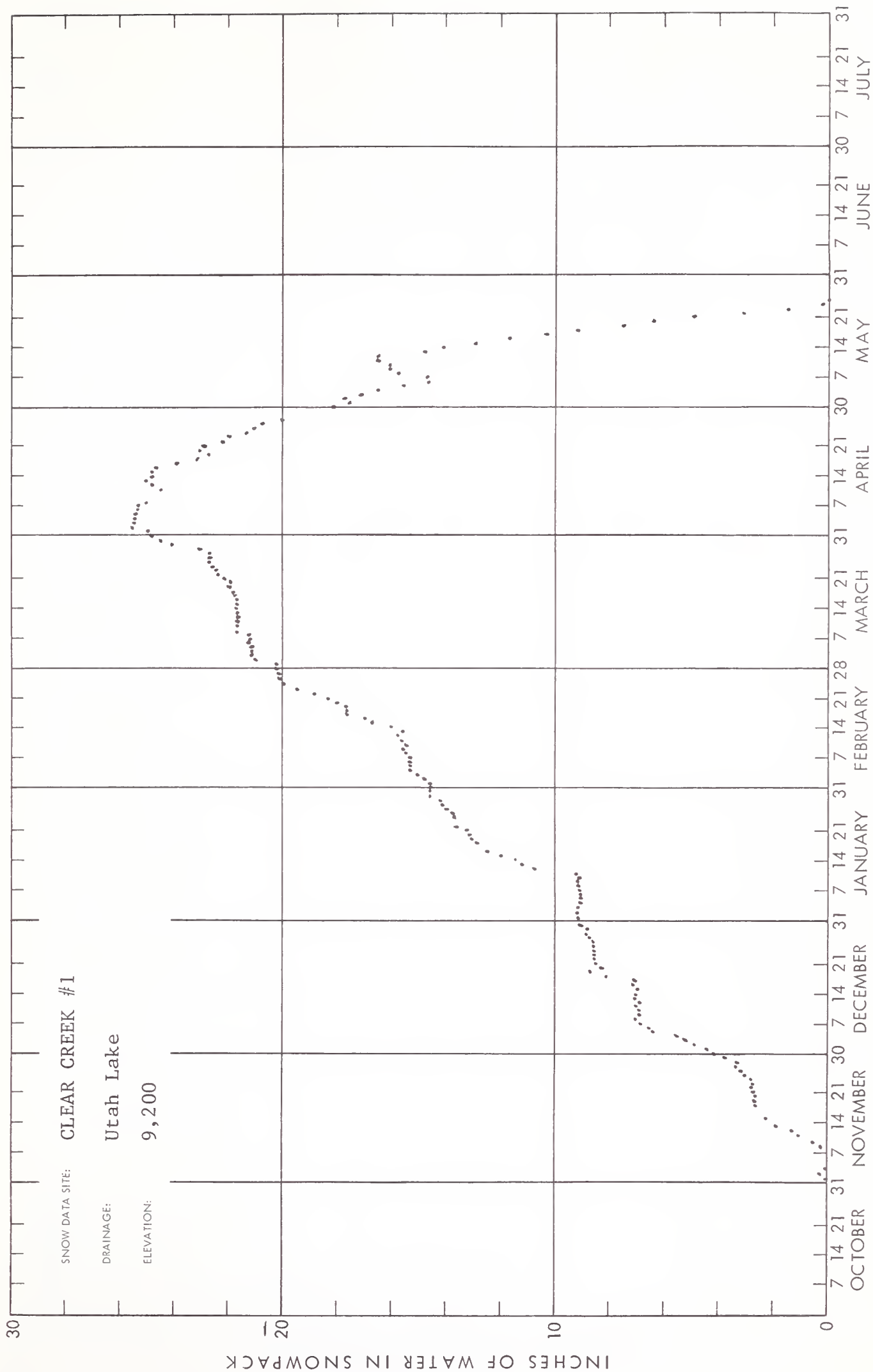
Daily information on snow water content, accumulated precipitation totals, air temperature, and other related data provides hydrologists with timely information which can aid water users in making important decisions. This system can additionally be used as a warning system for flood potential, fire weather monitoring, and remote area weather conditions.

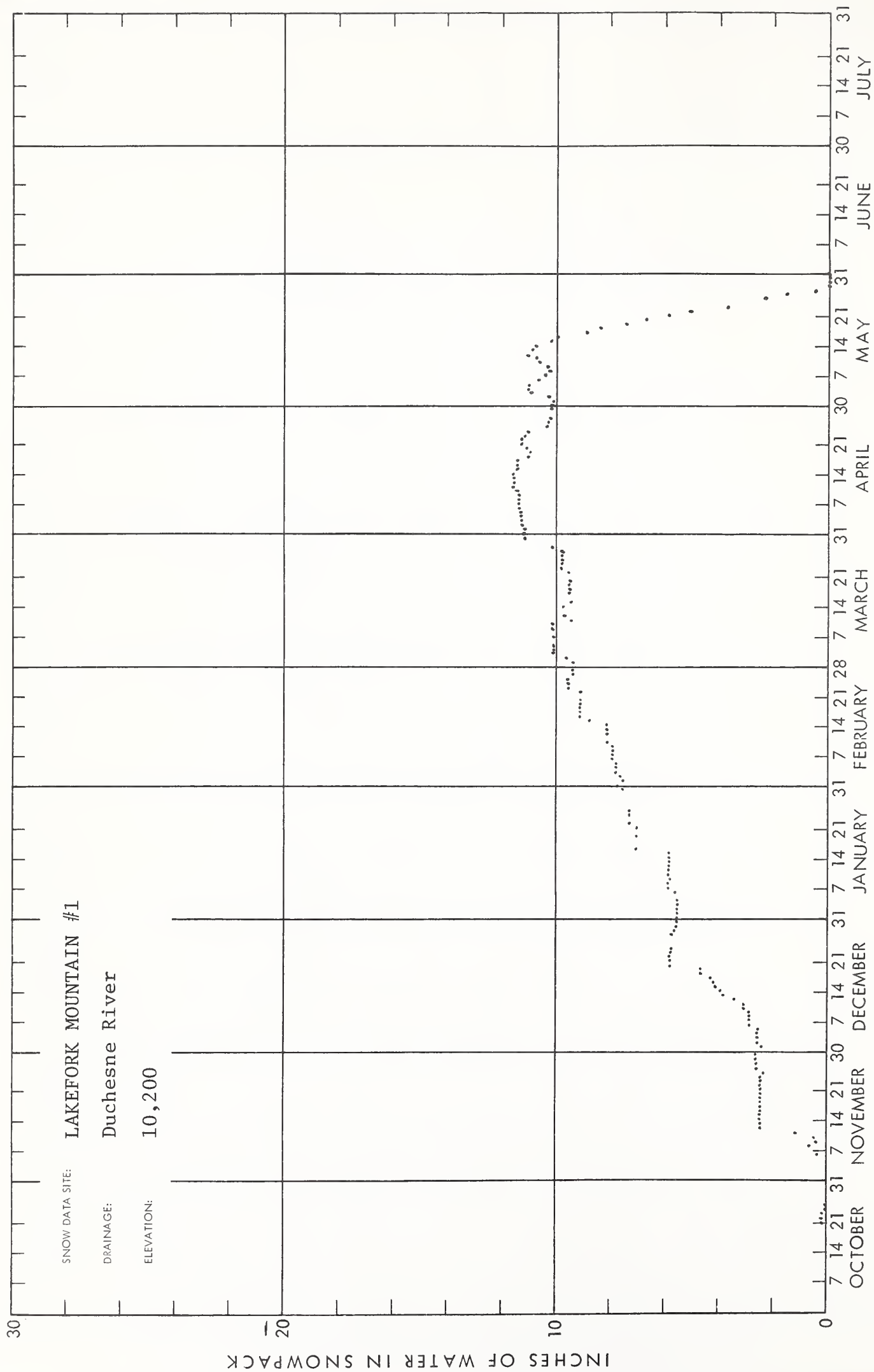
Snowpack graphs for a scattering of Utah SNOTEL sites accompanies this report. Data for this year is available on 40 sites.

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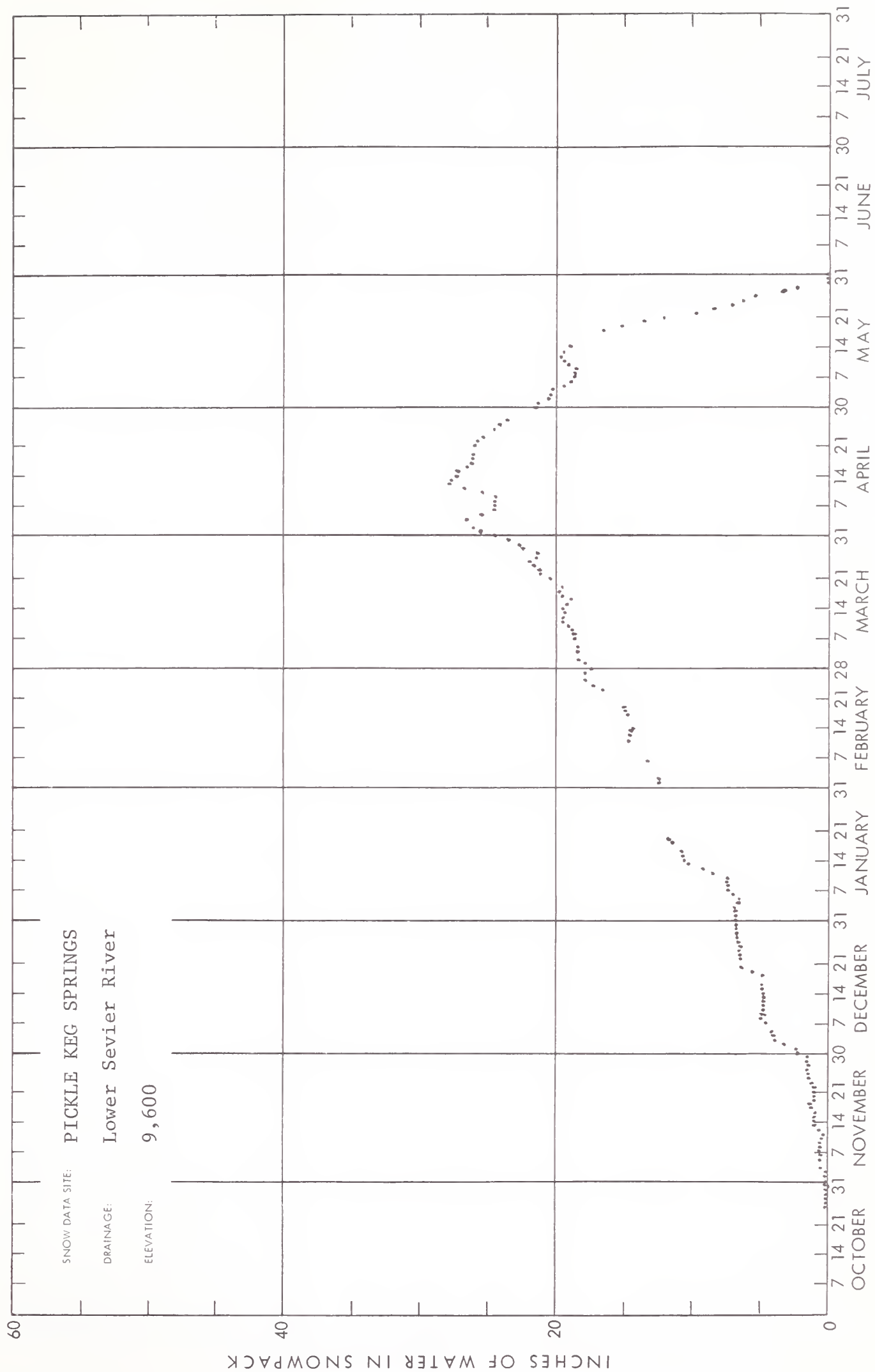


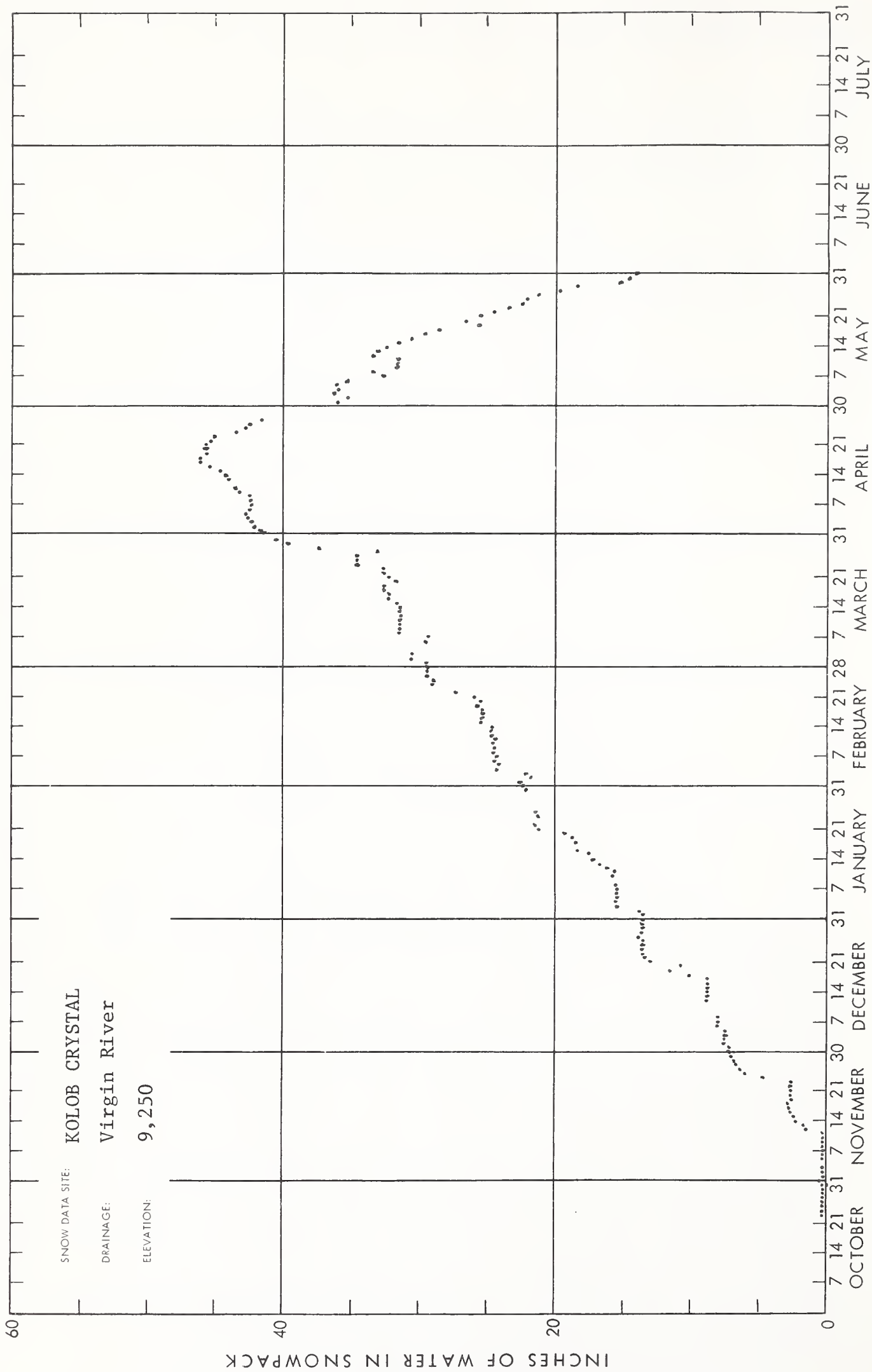






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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	2 Years	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN					Ago						
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	5/25	0	0.0	0.0	0.0		Not Measured				
Hayden Fork	6/1	0	0.0a	0.8	0.0	6/1	2.40a	3.02b	23.83a	27.16	87
Monte Cristo R.S.	5/29	4	1.7	19.6	0.0	5/29	3.92	2.83	34.34	34.00	101
Salt River Summit						5/31	1.19	1.47	19.50	21.23	91
Stillwater Camp	5/25	0	0.0	0.0	0.0		Not Measured				
LOWER BEAR RIVER (Below Harer, Idaho)											
Bug Lake	6/1	0	0.0a	0.0	--						
Cub River R.S.		Data Delayed									
Franklin Basin	6/1	0	0.0a	19.8	0.0						
Garden City Summit	5/30	0	0.0	0.0	0.0	5/30	2.16	2.14b	23.37	24.47	95
Klondike Narrows	5/30	0	0.0	0.0	0.0	5/30	2.74	--	21.77	--	--
Little Bear (lower)	5/29	0	0.0	0.0	0.0						
Little Bear (upper)	5/29	0	0.0	0.0	0.0						
Steep Hollow #1		Not Measured									
Steep Hollow #2	5/30	0	0.0	8.9	0.0						
Tony Grove Lake	6/1	0	0.0a	30.2	0.0						
Tony Grove R.S.	5/30	0	0.0	0.0	0.0	5/30	1.95	--	21.57	--	--
Willow Flat						6/1	2.65	2.85b	26.64	30.36	87
OGDEN RIVER											
Beaver Creek-Skunk Creek	5/29	0	0.0	0.0	0.0						
Ben Lomond Peak	6/1	32	14.2a	31.3	1.9						
Ben Lomond Trail	5/29	0	0.0	--	--	5/29	3.34	3.05b	34.18	37.17b	91
Causey Dam						5/29	1.53	1.86b	16.59	18.50	89
Dry Bread Pond	5/29	0	0.0	2.7	0.0	6/1	2.80a	2.62b	--	27.90	--
Sagebrush Flat	5/29	0	0.0	0.0	0.0	5/29	1.82	1.75b	17.58	18.58	94
WEBER RIVER											
Beaver Creek R.S.	5/25	0	0.0	0.0	0.0						
Chalk Creek #1	6/1	6	3.1a	17.6	0.0						
Chalk Creek #2	6/1	0	0.0a	0.0	0.0	6/1	1.50a	2.25	--	19.64	--
Chalk Creek #3	5/25	0	0.0	0.0	0.0	5/25	1.15	--	13.40	--	--
East Shingle Lake (A)	5/25	24	12.0e	38.9	0.0						
Farmington Canyon (lower)	6/1	0	0.0a	0.0	0.0		Not Measured				
Farmington Canyon (upper)	6/1	0	0.0a	21.1	0.0						
Farmington G.S.	6/1	0	0.0a	--	--						
Horse Ridge	5/25	0	0.0	0.0	0.0	6/1	2.50a	2.62b	30.27	31.00	97
Killfoil Creek	6/1	0	0.0	0.0	0.0						
Lost Creek Reservoir	6/1	0	0.0	0.0	0.0						
Parley's Canyon Summit	5/31	0	0.0	0.0	0.0	5/31	1.35	2.80	24.75	30.38	81
Redden Mine (lower)		Not Measured					Not Measured				
Redden Mine (upper)											
Sergeant Lake (A)	5/25	0	0.0	2.2	0.0						
Smith & Morehouse	5/25	0	0.0	0.0	0.0	5/25	1.17	2.46	17.99	24.47	73
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	6/1	0	0.0a	0.0	0.0						
Camp Altamont	5/29	0	0.0	0.0	0.0						
Clear Creek Ridge #1	5/29	0	0.0	4.0	0.0						
Clear Creek Ridge #2	4/29	0	0.0	0.0	0.0	5/29	1.70	2.01	21.72	21.38	101
Clear Creek Ridge #3	5/29	0	0.0	0.0	0.0						
Dutchman R.S.	5/29	0	0.0	0.0	0.0	5/29	1.60	2.64b	--	27.63	--
Hobble Creek Summit	5/29	0	0.0	0.0	0.0	5/29	1.60	2.15	21.60	22.54	95
Payson R.S.	5/30	0	0.0	0.0	0.0	5/30	1.75	1.98	25.80	23.51	109
Rock Bridge	5/30	0	0.0	0.0	0.0						
Soapstone R.S.	5/25	0	0.0	0.0	0.0	5/25	1.23	2.05	17.37	21.84	79
South Fork R.S.	5/31	0	0.0	0.0	0.0						
Timpanogos Cave Camp	5/29	0	0.0	0.0	0.0						
Timpanogos Divide	5/29	0	0.0	4.4	0.0	4/29	1.80	2.78	33.25	32.17	103
Trial Lake	5/25	34	17.5	30.5	0.0	5/25	1.68	2.72	28.34	31.45	90
JORDAN RIVER & GREAT SALT LAKE											
Lamb's Canyon #2	5/30	0	0.0	0.0	0.0	5/30	1.18	--	21.23	--	--
Middle Canyon	5/31	0	0.0	0.0	0.0	5/31	2.30	2.86b	24.00	23.06	104

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	2 Years	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
JORDAN RIVER & GREAT SALT LAKE (cont'd)					Ago						
Mill Creek	5/30	0	0.0	6.5	- -						
Mill D South Fork	5/30	0	0.0	0.0	- -						
Mt. Dell Dam							Data Delayed				
Silver Lake (Brighton)	5/30	0	0.0	- -	- -		Data Delayed				
Vernon Creek	5/31	0	0.0	0.0	0.0	5/31	2.45	2.05b	23.45	19.90	117
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek		Not Measured									
Castle Valley	5/30	0	0.0	0.0	0.0	5/30	2.28	1.62	31.53	18.75	168
Duck Creek R.S.	5/30	0	0.0	0.0	0.0	5/30	2.00	1.91	32.93	21.55	152
Harris Flat	5/30	0	0.0	0.0	0.0						
Kimberly Mine	5/29	8	3.3	10.2	0.0	5/29	4.23	2.15b	32.73	24.76	132
Midway Valley	5/30	44	23.2	26.0	0.0	5/30	1.50	- -	- -	- -	- -
Panguitch Lake	5/30	0	0.0	0.0	0.0	5/30	1.27	1.04	18.12	10.43	173
Squaw Springs		Not Measured									
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	6/1	0	0.0	0.0	0.0	6/1	2.60	2.10b	23.10	18.44	125
Farnsworth Lake		Not Measured									
G.B.R.C. Headquarters	6/1	0	0.0	2.4	0.0	6/1	3.10	2.38	27.80	24.93	111
G.B.R.C. Majors						6/1	2.05	1.51b	15.90	12.17	130
G.B.R.C. Meadows		Not Measured									
G.B.R.C. Oaks						6/1	2.30	1.78	19.45	16.66	116
Gooseberry R.S.	6/1	0	0.0	0.0	0.0	6/1	3.15	- -	21.40	- -	- -
Mammoth-Cottonwood Creek	5/31	0	0.0	12.4	0.0						
Middle Fork		Not Measured									
Mt. Baldy R.S.		Not Measured									
Oak Creek	5/30	0	0.0	0.0	0.0	5/30	- -	1.83b	24.27	21.62	112
Pickle Keg Springs	6/1	0	0.0a	5.8	0.0						
Pine Creek	5/30	0	0.0	13.2	0.0		Molested				
Ree's Flat		Not Measured									
Shingle Mill	5/30	0	0.0	0.0	0.0	5/30	2.95	2.14b	22.20	21.69	102
Thistle Flat		Not Measured									
Widtsoe-Escalante #3	5/30	6	2.4	0.0	2.4e	5/30	2.55	1.81	28.45	17.02	167
BEAVER RIVER											
Beaver Race Track	5/31	0	0.0	0.0	0.0						
Beaver Canyon Power House							Data Delayed				
Big Flat	6/1	64	27.7a	26.8	0.0	6/1	3.00a	2.71	32.49a	21.71	149
Merchant's Valley (upper)	5/29	0	0.0	0.0	0.0	5/29	2.66	1.88	27.59	19.09	144
Otter Lake		Not Measured									
PAROWAN CREEK											
Birch Crossing		Not Measured									
Brian Head	5/30	35	17.8	18.4	0.0						
Tall Poles	5/30	0	0.0	0.0	0.0	5/30	2.70	1.42b	24.25	19.79b	122
Yankee Reservoir	5/30	0	0.0	0.0	0.0	5/30	2.72	1.43	22.95	16.57	138
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek		Data Delayed									
Long Flat		Data Delayed									
COAL CREEK											
Cedar City Golf Course	5/30	0	0.0	0.0	0.0						
SUSC Ranch	5/30	0	0.0	0.0	0.0						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)	5/25	24	12.0e	14.0	0.0						
Black's Fork G.S.-East Fork	5/25	0	0.0	0.0	0.0		Not Measured				
Black's Fork Junction		Not Measured									
Buck Pasture (A)	5/25	3	1.5e	11.4	0.0						
Burnt Creek	5/31	0	0.0	0.0	0.0	5/31	1.95	2.78b	14.07	14.97	93

SNOW

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UPPER GREEN RIVER - UTAH (cont'd)					Ago						
Grizzly Ridge	5/31	0	0.0	0.0	0.0	5/31	1.75	2.90b	20.35	19.50	104
Henry's Fork (A)	5/25	0	0.0	15.2	0.0						
Hewinta G.S.	5/25	0	0.0	0.0	0.0						
Hickerson Park	5/25	0	0.0	0.0	0.0						
King's Cabin (upper)	5/31	0	0.0	0.0	0.0	5/31	2.35	2.57b	12.42	15.54	79
Reynolds Park (A)	5/25	21	10.5e	16.2	0.0	5/31	2.38	3.01	17.37a	17.59	98
Spirit Lake	5/25	6	3.0e	6.1	0.0						
Steel Creek Park	5/25	12	6.0e	19.1	0.0						
Trout Creek	5/25	0	0.0	0.0	0.0						
Windy Park (A)	5/25	5	2.5e	4.7	0.0						
DUCHESNE RIVER											
Atwood Lake (A)	5/25	12	6.0e	12.2	0.0						
Brown Duck Ridge	6/1	24	12.0a	18.9	2.0						
Chepeta-Whiterocks (A)	5/25	23	11.5e	13.0	0.0						
Current Creek	5/25	0	0.0	0.0	0.0	5/24	.87	1.58b	22.79	17.78	128
Daniels-Strawberry Summit	5/24	0	0.0	0.0	0.0	5/24	1.15	1.90b	23.55	22.99	102
East Portal	5/31	0	0.0	0.0	-						
Five Points Lake (A)	5/25	24	12.0e	15.6	3.0						
Indian Canyon	5/1	0	0.0a	0.0	0.0						
Jackson Park		Not Measured									
Lakefork Basin (A)	5/25	30	15.0e	22.8	0.0						
Lakefork Mountain	6/1	0	0.0a	3.8	0.0	6/1	1.90a	2.60	17.89a	18.30	97
Lakefork Mountain #3	5/1	0	0.0	0.0	0.0						
Lightning Lake (A)	5/25	36e	18.0e	33.6	3.0						
Mosby Mountain	6/1	0	0.0a	5.7	0.0	6/1	2.40a	2.62b	20.63a	17.80	115
Paradise Park		Not Measured									
Rock Creek Ranch	5/24	0	0.0	0.0	0.0	5/24	1.74	1.83	15.60	15.35	101
Strawberry Divide	6/1	0	0.0a	0.0	0.0						
PRICE RIVER											
Dry Valley Divide Alternate		Not Measured									
Gooseberry Reservoir						5/31	2.45	2.33	28.74	24.04	119
Mud Creek	5/30	0	0.0	0.0	0.0	5/30	2.05	1.95	21.20a	19.16	110
White River #1	5/30	0	0.0	0.0	0.0	5/30	1.60	1.71b	21.58	17.77	121
White River #3		Not Measured									
SAN RAFAEL RIVER											
Buck Flat	6/1	0	0.0a	11.4	0.0	5/1	2.30a	2.52	26.75a	22.97	116
Huntington-Horseshoe	5/31	22	10.3	30.8	1.2						
Orange Olsen	5/29	0	0.0	0.0	0.0	5/29	1.30	.97b	13.55	9.50	142
Red Pine Ridge	6/1	0	0.0a	1.6	0.0	6/1	1.70a	2.22	26.30a	25.61	102
Seeley Creek R.S.	6/1	0	0.0a	16.8	0.0						
Stuart R.S.	5/31	0	0.0	0.0	0.0	5/31	1.70	1.65	16.68	15.42	108
Upper Joe's Valley		Not Measured									
Wrigley Creek		Not Measured									
MUDDY RIVER											
Black's Fork		Not Measured									
Dill's Camp		Not Measured									
FREMONT RIVER											
Black's Flat-U.M. Creek		Not Measured									
Donkey Reservoir		Not Measured									
Fish Lake		Not Measured									
Johnson Valley		Not Measured									
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	5/30	0	0.0	0.0	0.0	5/30	3.98	1.94	36.54	22.83	160
Camp Jackson	5/30	0	0.0	0.0	0.0	5/30	3.70	1.56	38.33	20.76	184
LaSal Mountain (lower)	5/31	0	0.0	0.0	0.0						
LaSal Mountain (upper)	5/31	0	0.0	2.3	0.0	5/31	3.49	2.21	26.73	19.38	137
Monticello City Park	5/31	0	0.0	0.0	0.0						
VIRGIN RIVER											
Kolob-Crystal	6/1	26	14.6a	22.8	0.0						
Long Valley Junction	5/30	0	0.0	0.0	0.0						

SNOW

[illegible]

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO	STATE	NAME	SEC	TWP.	RGE	ELEV	NO.	STATE	NAME	SEC	TWP.	RGE	ELEV	NO	STATE	NAME	SEC	TWP.	RGE	ELEV									
UPPER BEAR RIVER (above Hare, Idaho)																				PROVO RIVER & UTAH LAKE (continued)									
10G11	W	Big Park	7	27N	117W	8,700	11J23P	U	Soapstone R.S.	9	3S	8E	7,800	9J1PST	U	King's Cabin (Upper)	22	1S	21E	8,730									
10J6P	W	Burt's-Miller Ranch	19	3N	10E	7,900	11J19	U	South Fork R.S.	24	4S	2E	6,100	10J37P	U	McCoy Park	6	1N	17E	10,680									
10G7	W	CCC Camp x	9	29N	118W	7,500	11J18	U	Timpanogas Cave	27	4S	2E	5,500	10J2	U	Middle Beaver Creek	31	3N	16E	8,650									
10J36P	U	Gold Hill	15	1N	9E	10,000	11J21PST	U	Timpanogas Divide	33	4S	8E	8,140	9J10aP	U	Reynolds Park	9	1S	18E	10,400									
10J7PST	U	Hayden Park	25	1N	9E	9,400	10J8PST	U	Trail Lake	5	2S	9E	9,960	9J7P	U	Spirit Lake	10	1N	17E	10,300									
10G12	W	Kelly Ranger Station	23	26N	118W	8,200							10J20PST	U	Steel Creek Park	17	2N	13E	10,100										
10J35P	U	Lily Lake	34	2N	10E	9,050							9J16PST	U	Traut Creek	9	1S	20E	9,400										
11H12PST	U	Manhe Cristo R.S.	4	8N	8W	8,960							9J12aP	U	Windy Park	2	1S	20E	9,400										
10G6	W	Picnic Meadows x	29	30N	116W	8,500																							
10G13MP	W	Salt River Summit x	32	29N	115W	8,400																							
10J17P	U	Snyder Basin x	15	29N	115W	8,400																							
10J17P	U	Strflower Camp	32	29N	115W	8,550																							
LOWER BEAR RIVER (below Hare, Idaho)																													
11H37PST	U	Big Lake	18	11N	5E	7,950	12J2	U	Bevan's Cabin	24	4S	4W	6,450																
11G11	U	Christensen Ranch	27	13S	41E	7,300	12J5P	U	Deseret Peak	15	4S	7W	9,250																
11H38P	U	Cinnamon Creek	5	18N	3E	7,400	11J41P	U	Lamb's Canyon #2	21	1S	3E	7,500																
12H1P	U	Clarkston Mountain	29	14N	2W	6,300	12J3P	U	Middle Canyon	8	4S	3W	7,000																
11G12	U	Cub River Ranger Station	5	15S	41E	5,400	11J44	U	Mill Creek	25	1S	2E	9,900																
12G4	U	Dry Basin Flat	30	13S	42E	6,350	11J10	U	Mill D South Fork	16	4S	3E	8,900																
11G7	U	Emigrant Summit	21	12S	42E	7,350	11J16P	U	Rack Basin-Settlement Canyon	30	4S	3W	8,900																
11G8MPST	U	Franklin Basin	24	12S	42E	6,500	11J17P	U	Silver Lake (Brighton)	35	2S	3E	8,725																
11H7MP	U	Garden City Summit	34 & 35			7,200	12K1PST	U	Snow Bird (Gad Valley)	18	3S	3E	9,700																
11H40P	U	Herd Hollow	3	11N	3E	7,200				21	10S	5W	7,500																
11G15a	U	Hopewash Basin	31	13S	42E	8,000																							
11H47P	U	Klandike Narrows	10	14N	3E	7,400																							
11H1MP	U	Liberty Springs	7	13S	42E	8,240	12J6P	U	Kimberly Mine	11	27S	9W	9,300																
11H26	U	Little Bear (lower)	16	8N	1E	6,000	12M2MPST	U	Midway Valley	26	37S	5W	9,800																
11H25PST	U	Little Bear (upper)	22	8N	1E	6,550	12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200																
12G3	U	Oxford Mountain	32	13S	37E	6,800	12M19	U	Rainbow Paint	29	38S	4W	9,100																
11G5	U	Slag Creek Divide	15	10S	44E	7,225	12L5	U	Squaw Springs	3	27S	2W	9,300																
11H27	U	Steep Hollow #1	7	14N	3E	8,500																							
11H28	U	Steep Hollow #2	9	14N	3E	8,500																							
11G9	U	Strawberry Creek	9	13S	41E	5,800																							
11H10	U	Strawberry Mink Divide	14	13S	41E	6,800																							
11H36PST	U	Tany Grave Lake	5	13N	3E	8,400																							
11H3MP	U	Tany Grave Ranger Station	11	13N	3E	6,250																							
11G4P	U	Willow Flat	2	13S	41E	6,100																							
RAFT RIVER																													
13H2a	U	Clear Creek Meadows	26	14N	14W	9,050	11K12P	U	Mt. Baldy R.S.	9	19S	4E	9,500																
13H4PS	U	George Peak	4	13N	14W	9,000	12K39PST	U	Oak Creek	9	17S	3W	7,760																
13H1	U	One Mile Summit	17	14N	17W	7,330	12L13	U	Pickle Keg Springs	4	21S	3E	9,000																
13H3a	U	VPant	17	14N	17W	7,670	12L15P	U	Platte Creek	24	22S	4W	8,700																
OGDEN RIVER																													
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150	12L11P	U	Reed's Flat	25	22S	3W	7,300																
11H8PST	U	Ben Leonard Peak	3	7N	1W	8,000	11K35	U	Thistle Flat	19	18S	3E	8,760																
11H9PST	U	Causey Dam	34	7N	3E	5,680																							
11H35P	U	Dry Broad Pond	19	8N	4E	8,350	12L13	U	Beaver Race Track	23	29S	7W	6,020																
11H34P	U	Guiden's Peak	21	6N	4E	8,050	12L7PST	U	Big Flat	7	29S	4W	10,290																
11H45P	U	Middle Fork Ogden	16	7N	2E	8,420	12L12PST	U	Merchant's Valley (upper)	8	29S	5W	8,750																
11H49P	U	Powder Mountain	6	7N	2E	8,250	12L8	U	Other Lake	12	29S	5W	9,600																
11H48	U	Powder Mountain Hideaway	1	7N	1E	8,400																							
11H15P	U	Sagebrush Flat	21	7N	3E	6,300																							
WEBER RIVER																													
11J24	U	Beaver Creek R.S.	28	25	7E	7,500	12M16	U	Birch Crossing	23	35S	9W	8,100																
11J1PST	U	Chalk Creek #1	4	1N	8E	9,100	12M14	U	Brian Head	10	36S	9W	10,000																
11J2MPST	U	Chalk Creek #2	29	2N	8E	8,200	12M15P	U	Tail Poles	26 & 35	35S	9W	8,800																
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500	12M11P	U	Yankee Reservoir	20	35S	8W	8,700																
11J45a	U	East Shingle Lake	6	2S	8E	9,750																							
11J12P	U	Farmington Canyon (lower)	13	3N	1E	6,950																							
11J1PST	U	Farmington Canyon (upper)	23	3N	1E	7,000																							
11H44P	U	Francis Canyon	22	2N	2E	6,700																							
11J37P	U	Hardy Reservoir	25	7N	4E	8,260	12M20	U	Cedar City Golf Course	11	36S	11W	5,800																
11H21PST	U	Killbuck Creek	20	6N	5E	7,300	12M17	U	SUSC Ranch	18	37S	9W	8,200																
11H31	U	Last Creek	27	6N	5E	7,300																							
11H32P	U	Park City Summit	30	25	4E	9,300																							
11J43	U	Parley's Canyon Summit	5	1S	3E	7,500																							
11H50	U	Pine Canyon	6	5N	4E	8,000																							
11J38P	U	Parcupine	22	3N	7E	8,100																							
11J6	U	Redden Mine (lower)	1	2S	6E	8,500																							
11J5P	U	Redden Mine (upper)	1	2S	6E	8,500																							
11J39P	U	Sergeant Lakes	9	1N	6E	8,300																							
11J40P	U	Shingle Mill Flat	22	1S	7E	7,040																							
11J4PST	U	Smith & Warehause	23	1N	7E	7,600																							
COLORADO RIVER DRAINAGE																													
UPPER GREEN RIVER IN UTAH (above Duchesne River)																													
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,280	9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500																
11J20	U	Camp Altamont	29	4S	3E	9,300	10J21P	U	Black's Fork G.S.-East Fork	25	3N	12E	9,300																
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	6,400	10J22P	U	Black's Fork Junction	33	3N	12E	8,925																
11K23	U	Clear Creek Ridge #2	27	10S	6E	6,000	10J23a	U	Burnt Creek	2	1N	19E	7,000																
11J17P	U	Clear Creek Ridge #3	27	10S	6E	6,000	9J13P	U	Burnt Creek	8	1N	20E	8,500																
11J122P	U	Dutchman R.S.	27	7S	3E	7,560	10J24aP	U	Henny's Ridge	29	2N	13E	10,000																
11J22P	U	Hubble Creek Summit	27	7S	3E	7,420	9J18P	U	Hickman G.S.	33	3N	13E	9,100																
11J36P	U	Lake Creek	36	4S	6E	9,000	9J15P	U	Highline Trail	13	2N	17E	9,100																
11J31	U	Packard Canyon	21	7S	5E	6,400	10J1	U	Hole-in-the-Rack	24	1N	19E	10,250																
1																													

LEGEND
Numbering System (example)
10J7F Snow Course Only
10J7M Snow Course and Soil Moisture Station
10J7H Snow Course, Soil Moisture Station, and Aerial Marker
10J7H-F Snow Course, Soil Moisture Station and Precipitation Gauge
10J7a Aerial Photo Only
10J7F-S Snow Course, Precipitation Gauge, Snow Pillow and Temperature.
Snow Data Site

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
NOAA, National Weather Service
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

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